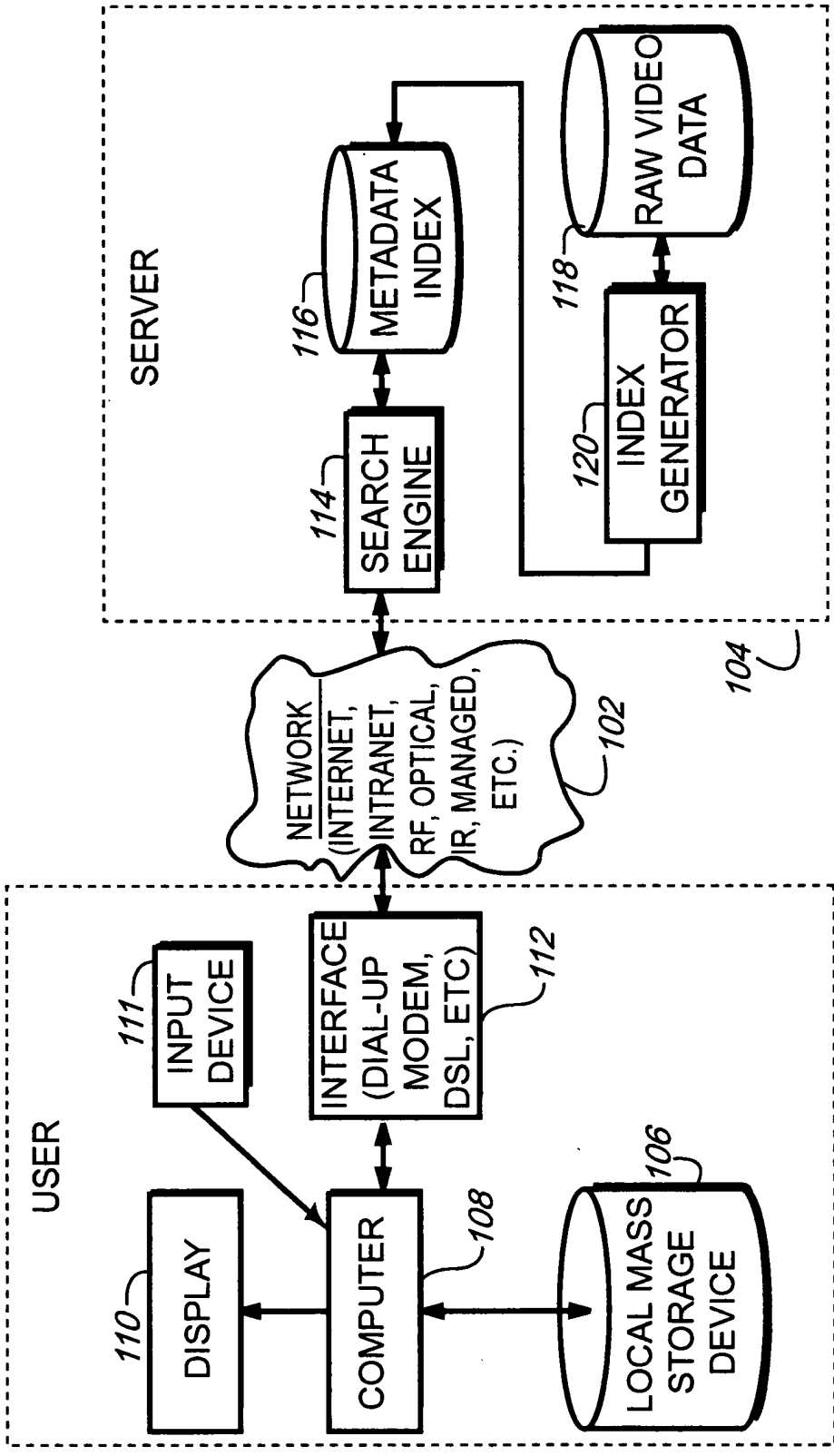
USER
SERVER
NETWORK (INTERNET, INTRANET, RF, OPTICAL, IR, MANAGED, ETC.)
DISPLAY
COMPUTER
INPUT DEVICE
INTERFACE (DIAL-UP MODEM, DSL, ETC)
LOCAL MASS STORAGE DEVICE
SEARCH ENGINE
METADATA INDEX
INDEX GENERATOR
RAW VIDEO DATA
110
111
112
106
108
114
116
118
120
102
104
100

FIGURE 1

200 METADATA INDEX

202 META DATA INDEX CATEGORIES

JERSEY NUMBER	TWO TIGHT END FORMATION	SHORT PASSES	DEFENSIVE PLAYS
PLAYER NAME	ONE SETBACK FORMATION	LONG PASSES	SPECIAL TEAM PLAYS
RUNNING PLAY	FOUR WIDE RECEIVER FORMATION	SIDE LINE PASSES	MIDDLE LINEBACKER VIEW
PASSING PLAY	THREE WIDE RECEIVER FORMATION	INSIDE SHORT PASSES	QUARTERBACK VIEW
FIRST DOWN PLAYS	ONE WIDE RECEIVER FORMATION	NICKEL BACK PLAYS	OVERHEAD VIEW
SECOND DOWN PLAYS	MOTION PLAYS	NICKEL BACK PLAYS	RUNNING BACK VIEW
THIRD DOWN PLAYS	TWO SET BACK FORMATION	BLITZ PLAYS	LEFT SIDE LINEMAN VIEW
PUNTING PLAYS	PITCH OUT PLAYS	4-3-4 DEFENSES	RIGHT SIDE LINEMAN VIEW
KICKOFF PLAYS	SHOVEL PASS PLAYS	3-4-4 DEFENSES	LEFT CORNER VIEW
DRAW PLAYS	SWING OUT PASSES	7-4 DEFENSES	RIGHT CORNER VIEW
PLAY ACTION PASSES	BROKEN PLAYS	6-5 DEFENSES	SAFETY VIEW
SCREEN PLAYS	QUARTERBACK SNEAK PLAYS	SAFETY BLITZ PLAYS	LEFT OUTSIDE LINEBACKER VIEW
TRICK PLAYS	ROLL OUT LEFT PASSES	CORNER BLITZ PLAYS	RIGHT OUTSIDE LINEBACKER VIEW
COUNTER PLAYS	ROLL OUT RIGHT PASSES	SCORING DRIVES	
REVERSE PLAYS	RIGHT PULLING GUARD PLAYS	NON SCORING DRIVES	
FIELD GOAL PLAYS	LEFT PULLING GUARD PLAYS	OFFENSIVE PLAYS	

FIGURE 2

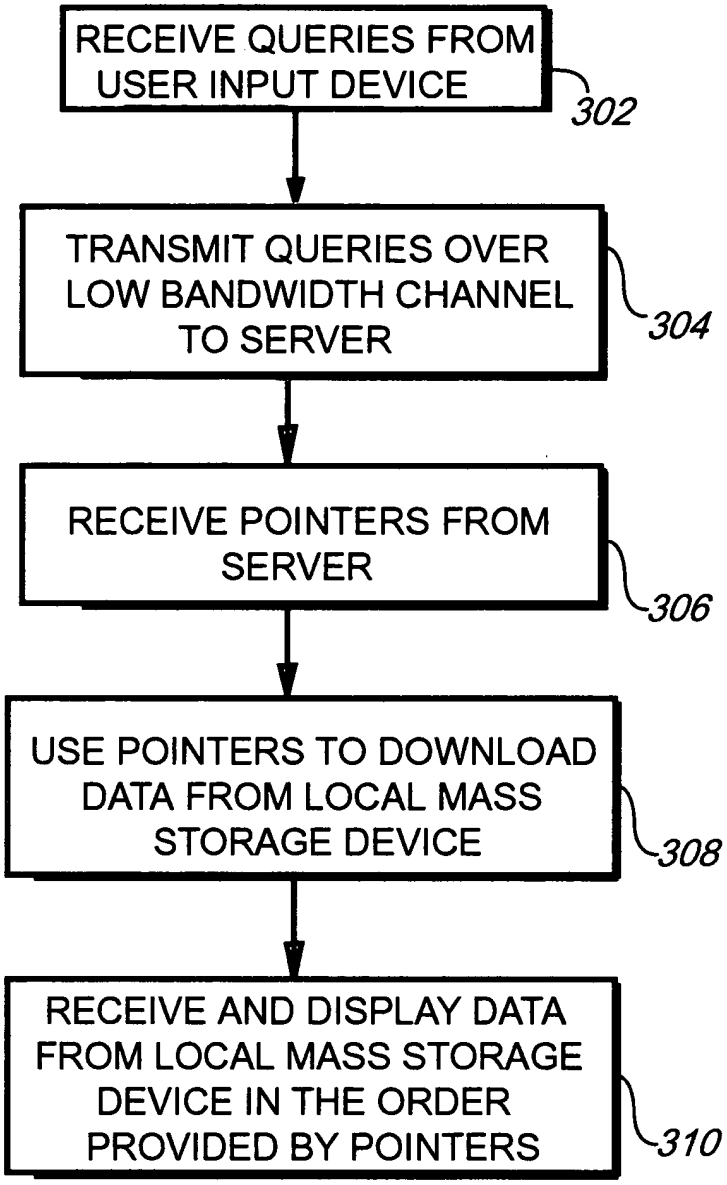
RECEIVE QUERIES FROM USER INPUT DEVICE
302
TRANSMIT QUERIES OVER LOW BANDWIDTH CHANNEL TO SERVER
304
RECEIVE POINTERS FROM SERVER
306
USE POINTERS TO DOWNLOAD DATA FROM LOCAL MASS STORAGE DEVICE
308
RECEIVE AND DISPLAY DATA FROM LOCAL MASS STORAGE DEVICE IN THE ORDER PROVIDED BY POINTERS
310
300
FUNCTIONS PERFORMED BY USER COMPUTER INTERACTING WITH AN INTELLIGENT SEARCH ENGINE

FIGURE 3

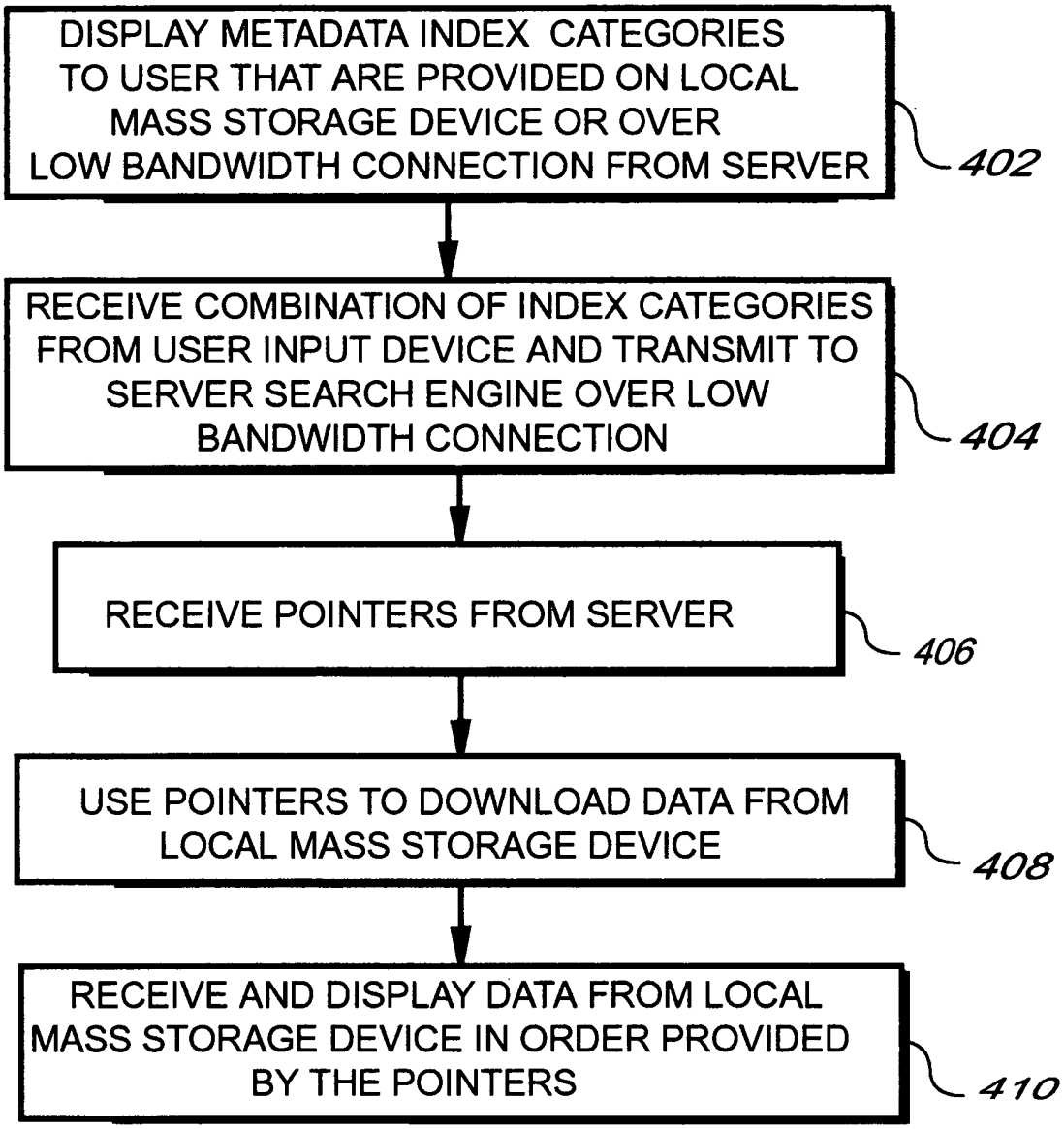
DISPLAY METADATA INDEX CATEGORIES TO USER THAT ARE PROVIDED ON LOCAL MASS STORAGE DEVICE OR OVER LOW BANDWIDTH CONNECTION FROM SERVER
402
RECEIVE COMBINATION OF INDEX CATEGORIES FROM USER INPUT DEVICE AND TRANSMIT TO SERVER SEARCH ENGINE OVER LOW BANDWIDTH CONNECTION
404
RECEIVE POINTERS FROM SERVER
406
USE POINTERS TO DOWNLOAD DATA FROM LOCAL MASS STORAGE DEVICE
408
RECEIVE AND DISPLAY DATA FROM LOCAL MASS STORAGE DEVICE IN ORDER PROVIDED BY THE POINTERS
410
400
FUNCTIONS PERFORMED BY USER COMPUTER INTERACTING WITH A STANDARD SEARCH ENGINE

FIGURE 4

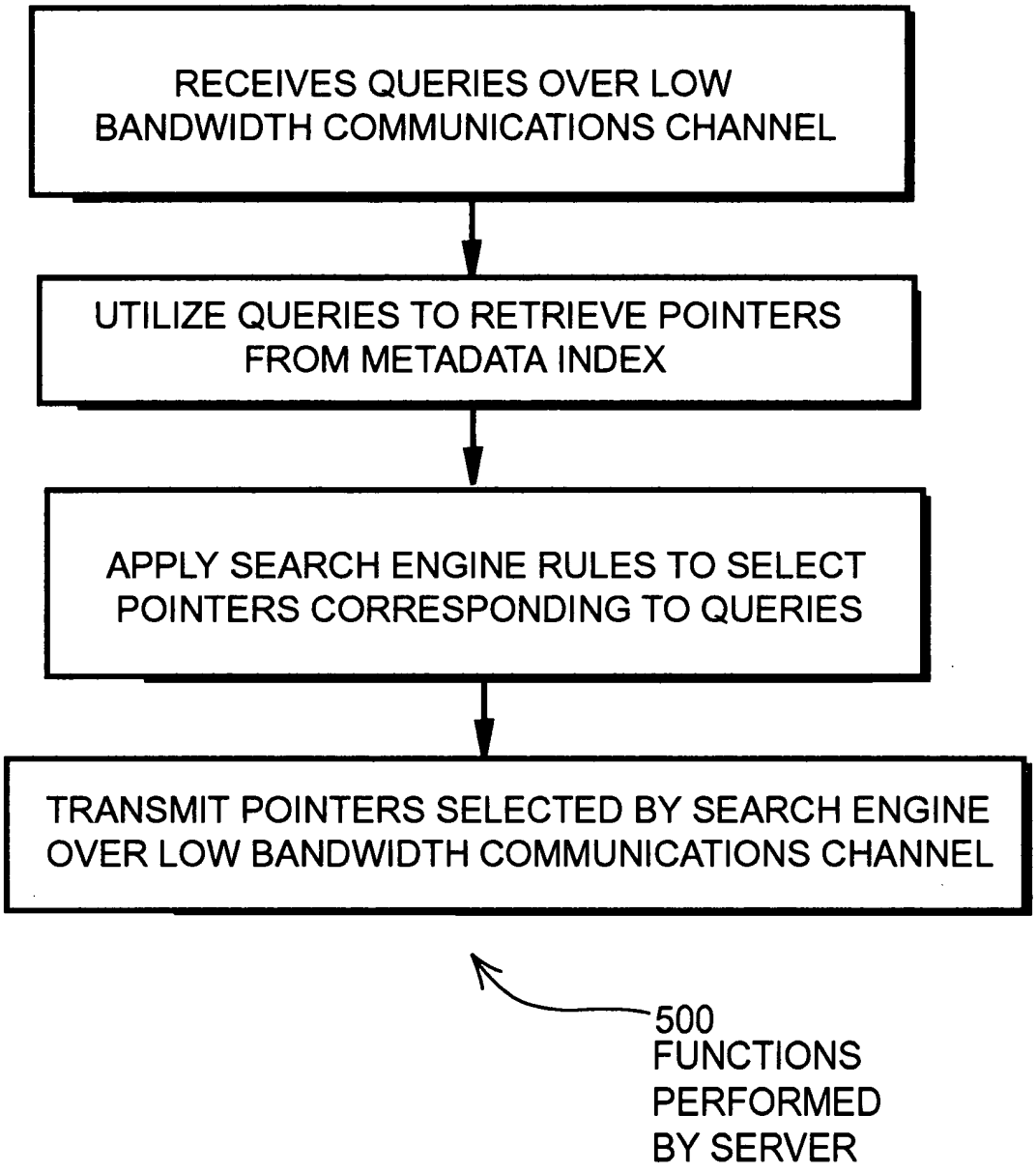
RECEIVES QUERIES OVER LOW BANDWIDTH COMMUNICATIONS CHANNEL
UTILIZE QUERIES TO RETRIEVE POINTERS FROM METADATA INDEX
APPLY SEARCH ENGINE RULES TO SELECT POINTERS CORRESPONDING TO QUERIES
TRANSMIT POINTERS SELECTED BY SEARCH ENGINE OVER LOW BANDWIDTH COMMUNICATIONS CHANNEL
500
FUNCTIONS PERFORMED BY SERVER

FIGURE 5